



*From
the
Chairman...*

The Section's operating year and the terms of its officers and directors end on 31 May. This means that **it is time to begin considering nominations for the Section's four officers and for three directors**. Officers serve for one year and directors for two years, and of the officers only the Secretary is eligible to succeed him/herself. The following members have been appointed to the 2003 Nominating Committee:

Dr. Walter Hammond

256-544-0584, walter.e.hammond@msfc.nasa.gov

Mr. Todd Honeycutt

256-430-0753, thoneycutt@stslc.com

Mr. John Lassiter

256-544-3022, john.o.lassiter@msfc.nasa.gov

Mr. Bob Noblitt

256-461-1993, BobNoblitt@msn.com

and Ms. Wanda Reece

256-544-2630, wanda.reece@msfc.nasa.gov

I encourage you to consider those Section members that you know, and submit any suggestions that you may have for possible nominees to one of the Nominating Committee members. If you are interested in becoming more active in the Section as either an officer or a director, please contact one of the Nominating Committee. (This is how I first became an officer!) In addition to nominees selected by the committee, it is possible to nominate candidates by petition. Please let me know if you are interested in knowing how this is done. Although it may seem early to start this process, there is real work to be accomplished, and the process itself requires a certain amount of time. The election will take place in the spring, and the new officers and board members will be installed at the banquet in May.

--Arloe Mayne

From the Technical Director...

As the Section Technical Director, one of my primary goals is to provide information to the section membership on AIAA technical and program committees. Technical and program committees are critical to AIAA's mission of promoting the exchange of technical information among its members in the aeronautics and astronautics community. They also serve a vital role in organizing and operating the numerous AIAA conferences held each year.

In the coming months, I will have several articles in the section's newsletter on technical and program committees. I will describe what they are, what they do, and in particular how they can benefit you as a professional and a AIAA member. Also I will describe my participation in one particular technical committee. This description will include the numerous benefits I have obtained that has directly helped me in my present position at MSFC. I will then describe what it is like to help develop a new AIAA program committee.

My goal is to provide information to the section's membership so everyone can determine his/hers interest in joining and participating in the numerous professionally rewarding activities of an AIAA technical or program committee.

-- John Lassiter

Engineering Directorate, NASA/MSFC

Recognize the achievements of your colleagues!!

Nominate them for an AIAA Award! Just download a blank nomination form from the AIAA Web site, list your candidate's accomplishments keeping in mind the scope of the Award, include a brief biography, and request references that support the nomination. The AIAA Liaison and AIAA Subcommittees will handle it from there. **Watch out for those nomination deadlines!** To request a nomination form or additional information, **contact the Section's Honors and Awards Director, Steve Noneman**, at 256-544-2048 or via e-mail at steven.noneman@msfc.nasa.gov.

******* New Associate Fellows Selected *******

AIAA has selected the 2003 Associate Fellows. The requirements for Associate Fellow are stated in the AIAA bylaws. Members may be nominated by any AIAA member in good standing and shall be approved by the Membership Committee. Only one Associate Fellow per every 150 voting members may be upgraded annually. Nominees must be AIAA Senior Members and have at least 12 years professional experience. Furthermore, nominees must be recommended by three members in good standing of Associate Fellow grade or higher.

Congratulations to the 2003 Associate Fellows from the Alabama-Mississippi Section !!

James B. Blackmon

Rodney D. Bowersox

Alan S. Chow

Susan T. Hudson

Mark S. Miller

Steven D. Pearson

Narayanan Ramachandran

Coming this Summer...

The 39th AIAA/ASME/SAE/ASEE Joint Propulsion Conference and Exhibit

"Powered Flight—The Next Century"

**20-23 July 2003 at the Von Braun Center in
Huntsville, Alabama**

In the spirit of the Centennial of Powered Flight (Wright Brothers, 1903) a **very special event** is planned for the 39th JPC in Huntsville, Alabama. A high fidelity, full scale working model of the first liquid rocket ever launched (Robert Goddard, 1926) will be built, exhibited and demonstrated by a special team of engineers from NASA/MSFC in conjunction with the AIAA JPC.

Information on the progress of this event will be provided in the next newsletter.



Robert Goddard with the First Liquid Rocket, 1926

International Air & Space Symposium and Exposition

The Next 100 Years

Join the AIAA and the International Council of the Aeronautical Sciences (ICAS) on 14-17 July 2003 in Dayton, Ohio at the International Air & Space Symposium and Exposition, as the aerospace community celebrates the centennial of flight. The four-day technical program will cover four facets of the aerospace community: commercial aviation, military aviation, general aviation and space. The event also features more than 70,000 square feet of exhibit space, filled with companies and research organizations highlighting emerging technologies, showcasing global achievements, and educating industry peers and the public about the many benefits of aerospace.

For the detailed symposium program or to REGISTER, visit the AIAA Web site at www.aiaa.org/Dayton2003.

For more information on the AIAA Events Schedule... visit the Bulletin section of Aerospace America or go to the URL below to view upcoming conferences and abstract submissions sponsored by AIAA.

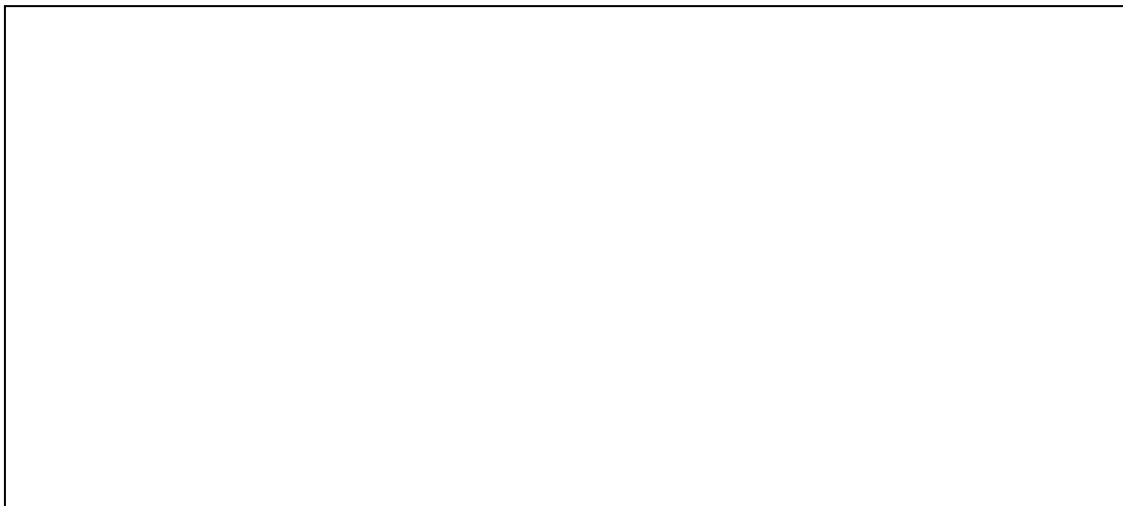
<http://www.aiaa.org/calendar/index.hfm?cal=1>

Plaque Given to UAH

Upon entering the lobby of the University of Alabama in Huntsville (UAH) Engineering Building, one sees numerous wood-carved plaques of the professional engineering societies represented by UAH student chapters. But until recently, there was not one for AIAA. However, some fine woodworking solved that problem, and this fall the Section Chairman Dr. Arloe Mayne presented a plaque for the UAH Engineering Building to Dr. Jorge Aunon, Dean of the UAH College of Engineering (Dr. Aunon on left in photo below).



AIAA SEMINAR SERIES
NEW ADVANCEMENTS IN KEY AEROSPACE TECHNOLOGIES



A **four** seminar series on the latest key technologies that are advancing aerospace enterprise on all fronts.

Saturday, February 22nd & March 1st, 8th, and 15th, 2003

UAH Technology Hall, room S105.

Registration begins at 8:30 am. Sessions from 9:00 am to 12:00 noon.

Contributing lecturers to include:

| | | |
|--------------------------|--------------------------------------------------|-----------------------------------------------|
| ob Sackheim d MSF | Mr. Jim Bilbro t n Officer | Dr. Jan Davis irector, M ts Directorate |
| Dr. Ann Whitaker Dire | Mr. Jess Granone irector, S chnical Center | |

And other invited lecturers from industry, USMDA, US Army and NASA

February 22. Overview. Session to include: Synergy and interdependence among members of the Greater Huntsville technical community. Short history of the growth, resilience, and ability of the community to rapidly adapt to change. Discussion on assessing the Advancement Degree of Difficulty (AD2) for new technologies or low Technology Readiness Levels (TRL) from their current TRL to the required TRL. **Information Technology (IT).** Session to include: Computing, software; the exploding, enabling field of information technology. The digital age, marked by both electronic hardware progression and by an explosion of access to vast expanses of information. Internet impact on aerospace. And much more...

March 1. Space Transportation and Access to Space. NASA's current plans and intentions for future technology directions will be discussed in detail in this session. Topics will include NASA propulsion technology projects under the Integrated Space Transportation Program (ISTP) and next generation launch technologies (NGLT) programs (e.g. advanced rocket engines and hypersonics/air breathing; and turbine & rocket based combined cycle propulsion systems), development of the Orbital Space Plane, and continuous upgrades and improvements for the World's only existing reusable launch vehicle, the Space Shuttle. Discussions on advanced propulsion technology impact on global launch vehicle market.

March 8. U.S. Missile Defense Program. The U.S. Army Space and Missile Defense Command (SMDC) is an important part of the National Space and Missile Defense Program. SMDC is Commander of Army Forces for computer network operations, providing command and control of Army Space Forces; developing technology, conducting experiments and tests, and fielding assigned space and missile defense systems. SMDC plays a leading role in supporting the Missile Defense Agency (MDA). A number of local aerospace firms (Teledyne Brown, TRW/Northrop-Grumman, Mevatec, COLSA, Boeing, Lockheed-Martin and many others) are major SMDC contractors. This session will address several SMDC key defense activities.

March 15. Space Station Operations Technologies and Future Space Science Plans. This session will present an overview of and describe the key operations technologies, engineering activities and planned future science activities that will occur on the International Space Station (ISS) after it achieves full configuration and operational status. Topics will include payload systems concept and requirements definitions, operations integration and implementation, flight and ground crew training and console operation, data processing and data flow planning, timeline engineering, pre-mission and mission support planning, end-to-end flight to ground systems analyses and evaluation, world wide networking. And much more...

Fees: \$40 per session or \$140 for all four sessions. \$25 seminar fee for students & retirees.

Make checks payable to: AIAA AL-MS Section, P.O. Box 7208, Huntsville, AL 35807.

For information & reservations, contact Mr. John Lassiter at 256-544-3022 (john.o.lassiter@msfc.nasa.gov)

2002-03 Section Officers and Board of Directors

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| 2000-2001 Section Chair | Robert (Bob) L. Sackheim | 256/544-1938 | bob.sackheim@msfc.nasa.gov |

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